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Fumed Silica

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Definition: An exceptionally pure form of silicon dioxide made by reacting silicon tetrachloride in an oxy-hydrogen flame. Particles range from 0.007 to 0.05 μ m and tend to link together by a combination of fusion and hydrogen bonding to form chain-like aggregates with high surface areas. Used to impart thixotropy to liquid resins and in dry molding powders to make them free flowing. Also known as **pyrogenic silica**.
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